

Recombinant Cystathionine Gamma-lyase (CGL)

Product Information

Cat#	BDE-051
Description	Cystathionine γ -lyase (CGL) catalyzes the conversion of cystathionine to cysteine, α -ketobutyrate, and ammonia in the final step of cysteine synthesis.
Applications	Used in homocysteine assay kits to generate signal molecules through a cleavage reaction.
Enzyme Commission Number	EC 4.4.1.1
Form	Light yellow clear liquid or lyophilized powder
Source	Recombinant microbial proteins
Activity	11.25 KU/mg
Unit Definition	One unit is defined as the amount of enzyme required to catalyze the production of 1 μ mol of α -ketobutyric acid in 1 hour under specified assay conditions (37 °C, pH 7.4).
Molecular Weight	44 kDa (SDS-PAGE)
Purity	\geq 90% by SDS-PAGE
Optimum pH	7.0-9.0
Storage Buffer	Phosphate buffer, pH 7.4
Storage	Store at 4°C for one year; store at -20°C or -80°C for 2-3 years. Avoid repeated freeze-thaw cycles as much as possible.